

Independent Certification of Lithium-Ion Battery UN Transportation Model Regulation

Model Number	NCR-B/690
Nominal Voltage	11.1 V
Rated Capacity	6.00 Ah
Watt-hour Rating	66 Wh

Customer Model No.	PEC Model No.
AS11A5E BT.00605.070	NCR-B/690AE

No.	Test Item	Criteria	Result	Remark
T1	Altitude Simulation	No mass loss, leakage, venting, disassembly, rupture, and fire. OCV should not be less than 90% before testing.	Passed	
T2	Thermal Test	No mass loss, leakage, venting, disassembly, rupture, and fire. OCV should not be less than 90% before testing.	Passed	
T3	Vibration	No mass loss, leakage, venting, disassembly, rupture, and fire. OCV should not be less than 90% before testing.	Passed	
T4	Shock	No mass loss, leakage, venting, disassembly, rupture, and fire. OCV should not be less than 90% before testing.	Passed	
T5	External Short Circuit	External temperature should not exceed 170 degC. No disassembly, rupture, and fire within six hours of this test.	Passed	
T6	Impact	External temperature should not exceed 170 degC. No disassembly, and fire within six hours of this test.	Passed	Component Cell Test
T7	Overcharge	No disassembly, and fire within seven days of this test.	Passed	
T8	Forced Discharge	No disassembly, and fire within seven days of this test.	-	Cell only

We confirmed the test results based on the UN manual of tests and criteria sub-section 38.3

Panasonic Corporation Energy Company  
Lithium-ion Battery Business Unit

Issued on, Dec.08. 2010		
Approved	Checked	Prepared
		